

For Research Use Only

CoraLite® Plus 488-conjugated DOPA decarboxylase/DDC Polyclonal antibody

Catalog Number: CL488-10166



Basic Information

Catalog Number:

CL488-10166

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0219

GenBank Accession Number:

BC008366

GeneID (NCBI):

1644

UNIPROT ID:

P20711

Full Name:

dopa decarboxylase (aromatic L-amino acid decarboxylase)

Calculated MW:

54 kDa

Observed MW:

48-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : SH-SY5Y cells,

Background Information

Aromatic-L-amino-acid decarboxylase belongs to the pyridoxal-dependent aminotransferase superfamily. DDC catalyzes the decarboxylation of L-3,4-dihydroxyphenylalanine (DOPA) to dopamine, L-5-hydroxytryptophan to serotonin and L-tryptophan to tryptamine. DDC is the cause of aromatic L-amino-acid decarboxylase deficiency (AADC). Researches showed that Ddc is only one of the enzymes in the biosynthetic pathways for bioamines and catecholamines.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

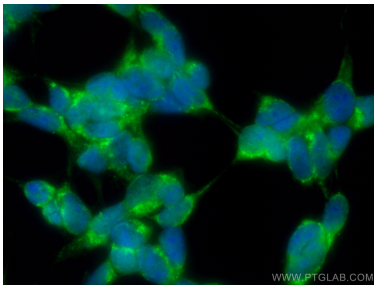
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol)
fixed SH-SY5Y cells using CoraLite® Plus 488
DOPA decarboxylase/DDC antibody (CL488-10166)
at dilution of 1:200.